

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-25 (canceled).

Claim 26 (currently amended): A gel electrolyte secondary cell comprising:

a positive electrode;

a negative electrode comprising a current collector and a powder mixture composed of a graphite-negative electrode active material having a mean particle size of 5 to 100 μm ; and

a gel electrolyte comprising an electrolyte salt, a non-aqueous solvent and a high-molecular weight material,

wherein the non-aqueous solvent comprises propylene carbonate and ethylene carbonate,

wherein a content of propylene carbonate ranges from 10 mol% to 75 mol%,

and wherein the graphite-negative electrode active material comprises sintered meso-carbon micro-beads.

Claim 27 (previously presented): The gel electrolyte secondary cell according to claim 26 wherein the high-molecular weight material contains a nitrile group in a side chain thereof.

Claim 28 (previously presented): The gel electrolyte secondary cell according to claim 27 wherein the high-molecular weight material is polyacrylonitrile.

Claim 29 (previously presented): The gel electrolyte secondary cell according to claim 28 wherein a molar ratio of an acrylonitrile monomer to the non-aqueous solvent is 5:95 to 30:70.

Claim 30 (previously presented): The gel electrolyte secondary cell according to claim 26, wherein the electrolyte salt of the non-aqueous solvent is LiPF_6 and wherein a concentration of LiPF_6 with respect to non-aqueous solvent is 0.4 mol/ cm^3 to 2 mol/ cm^3 .

Claim 31 (previously presented): The gel electrolyte secondary cell according to claim 26 wherein the positive electrode contains a lithium-containing compound.

Claim 32 (previously presented): The gel electrolyte secondary cell according to claim 31 wherein the lithium-containing compound is a complex compound of lithium and a transition metal.

Claims 33-34 (canceled).

Claim 35 (previously presented): The gel electrolyte secondary cell according to claim 26 wherein the non-aqueous solvent includes at least one compound selected from the group consisting of γ -butyrolactone, methyl ethyl carbonate and dimethyl carbonate in addition to propylene carbonate and ethylene carbonate.

Claim 36 (previously presented): The gel electrolyte secondary cell according to claim 26 wherein the high molecular weight material has a number average molecular weight ranging from 5000 to 500000.

Claim 37 (previously presented): The gel electrolyte secondary cell according to claim 26 wherein the content of propylene carbonate is between 35 mol% and 75 mol %.

Claim 38 (previously presented): The gel electrolyte secondary cell according to claim 26 wherein the powder mixture of the negative electrode comprises a polyvinylidene fluoride binder.

Claim 39 (previously presented): The gel electrolyte secondary cell according to claim 26 wherein the meso-carbon micro-beads are sintered at a temperature between 2500° C and 3500° C.

Claim 40 (currently amended): The gel electrolyte secondary cell according to claim 26 wherein the a specific surface area of the graphite-type carbonaceous negative electrode active material as measured by the BET method ranges from 0.1 to 10 m²/g.

Claim 41 (previously presented): The gel electrolyte secondary cell according to claim 26 wherein the non-aqueous solvent comprises 35 mol% propylene carbonate and 65 mol% ethylene carbonate.